

## NSLS OHSAS Job Risk Assessment

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<b>Name(s) of Risk Team Members:</b> B. Chmiel, A. Lanzirotti, C. Nelson	<b>Point Value → Parameter ↓</b>	1	2	3	4	5
<b>Job Title:</b> <span style="color: blue; font-weight: bold;">Using a Beamline</span>  <b>Job Number or Job Identifier:</b> <span style="color: blue; font-weight: bold;">LS-JRA-0029</span>	<b>Frequency (B)</b>	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
<b>Job Description:</b> Using a Vuv or X-ray beamline at the NSLS.	<b>Severity (C)</b>	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training and Procedure List (Optional):	<b>Likelihood (D)</b>	Extremely Unlikely <<1x/20yrs	Unlikely 1x/10-20yrs	Possible >1x/10-20yrs	Probable 1x/yr	Multiple >1x/yr
Approved by: W. R. Casey      Date: 8/29/05 Rev. # 1 <a href="#">Revision Log</a>						
<b>Stressors (if applicable, please list all):</b>		<b>Reason for Revision (if applicable):</b>			<b>Comments:</b>	

Job Step / Task	Hazard	Before Controls						Initial Controls	After Initial Controls					Control(s) Added to Reduce Risk	After Additional Controls					
		Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD		# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Open shutter to allow beam into hutch or on to sample.	Radiation exposure	N	1	4	5	4	80	Shielding, certified interlocks, experimental review, radiation surveys, training	1	4	1	2	8							
Work with routine chemicals to clean and mount sample.	See "Routine Chemical Use" JRA. <b>LS-JRA-0021</b>																			

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Job Step / Task	Hazard	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Initial Controls	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Mount or install sample into end-station.	See "Working With Hand Held Tools" JRA. <b>LS-JRA-0014</b>																			
Collect data using computers	See "General Office Work" JRA. <b>LS-JRA-0040</b>																			
Work with cryogenics	See "Working With Cryogenics" JRA. <b>LS-JRA-0010</b>																			
Work with compressed gases	See "Working with Compressed Gases" JRA. <b>LS-JRA-0009</b> or "General Flammable Gas Work" JRA. <b>LS-JRA-0011</b>																			
Generation of hazardous and industrial waste	See "Generation of Hazardous and Industrial Waste" JRA. <b>LS-JRA-0026</b>																			
Elevated Work	See "Elevated Work" JRA. <b>LS-JRA-0035</b>																			
Portable Ladder Use	See "Use of Portable Ladder" JRA. <b>LS-JRA-0036</b>																			
Work with vacuum systems	See "Work with Vacuum Systems" JRA. <b>LS-JRA-0008</b>																			

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Further Description of Controls Added to Reduce Risk:																					
*Risk:	0 to 20 Negligible	21 to 40 Acceptable					41 to 60 Moderate					61 to 80 Substantial					81 or greater Intolerable				